

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : G01N 33/44	A1	(11) International Publication Number: WO 93/24834 (43) International Publication Date: 9 December 1993 (09.12.93)
(21) International Application Number: PCT/US93/05070 (22) International Filing Date: 27 May 1993 (27.05.93) (30) Priority data: 07/891,177 29 May 1992 (29.05.92) US (60) Parent Application or Grant (63) Related by Continuation US 07/891,177 (CIP) Filed on 29 May 1992 (29.05.92) (71) Applicant (for all designated States except US): THE ROCKEFELLER UNIVERSITY [US/US]; 1230 York Avenue, New York, NY 10021 (US).	(72) Inventors; and (75) Inventors/Applicants (for US only): CHAIT, Brian, T. [ZA/US]; 500 East 63rd Street, Apt. 20D, New York, NY 10021 (US). BEAVIS, Ronald [CA/CA]; 55 Pine Bud Avenue, St. John's, Newfoundland A1B 3S7 (CA). WANG, Rong [CN/US]; 500 East 63rd Street, Apt. 26E, New York, NY 10021 (US). KENT, Stephen, B., H. [NZ/US]; 2766 Costebell Drive, LaJolla, CA 92037 (US). (74) Agent: BURKE, Henry, T.; Wyatt, Gerber, Burke and Badie, 645 Madison Avenue, 5th Floor, New York, NY 10022 (US). (81) Designated States: AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>	
(54) Title: METHOD AND PRODUCT FOR THE SEQUENCE DETERMINATION OF PEPTIDES USING A MASS SPECTROMETER (57) Abstract Method is described for sequencing polypeptides by forming peptide ladders comprising a series of polypeptides in which adjacent members of the series vary by one amino acid residue and determining the identity and position of each amino acid in the polypeptide by mass spectroscopy.		